

(19)



Europäisches Patentamt
European Patent Office
Office européen des brevets



(11) Publication number:

0 416 928 A3

(12)

EUROPEAN PATENT APPLICATION

(21) Application number: 90309782.2

(51) Int. Cl.⁵: **C08F 4/654**, C08F 10/00

(22) Date of filing: 06.09.90

(30) Priority: 06.09.89 FI 894216

(43) Date of publication of application:
13.03.91 Bulletin 91/11

(84) Designated Contracting States:
AT BE CH DE DK ES FR GB GR IT LI LU NL SE

(98) Date of deferred publication of the search report:
21.11.91 Bulletin 91/47

(71) Applicant: NESTE OY

SF-06850 Kulloo(FI)

(72) Inventor: Ala-Hulkku, Sirpa
Korvatunturintie 5 B 7

SF-00970 Helsinki(FI)

Inventor: Palmqvist, Ulf

Hansatie 2

SF-01650 Porvoo(FI)

Inventor: Lommi, Marjaana

Luhtitie 2 as. 3

SF-06850 Kulloo(FI)

Inventor: Iiskola, Eero

Linnankoskenkatu 15 A 1

SF-06100 Porvoo(FI)

(74) Representative: Collier, Jeremy Austin Grey et al

J.A.Kemp & Co. 14, South Square Gray's Inn

London WC1R 5EU(GB)

(54) New carrier catalyst for the polymerization of ethylene.

(57) The invention provides an olefin polymerization catalyst system of which the procatalyst comprises a solid carrier with a magnesium compound, an electron donor compound and monocyclopentadienyl titanium trichloride on its surface. A method for the preparation of such a procatalyst is also disclosed, comprising impregnating a solid carrier with a solution obtainable by dissolving a magnesium compound and monocyclopentadienyl titanium trichloride in a compound having electron donor properties. The use of the olefin polymerisation catalyst system in a process for polymerizing olefins is also disclosed.

EP 0 416 928 A3



European
Patent Office

EUROPEAN SEARCH REPORT

Application Number

EP 90 30 9782

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl.5)
Y	US-A-4 383 095 (G.L.GOEKE) " column 13, line 9 - line 58 " - - - -	1-12	C 08 F 4/654 C 08 F 10/00
Y	WO-A-8 810 275 (THE DOW CHEMICAL COMPANY) " claim 1 " - - - - -	1-12	
			TECHNICAL FIELDS SEARCHED (Int. Cl.5)
			C 08 F
The present search report has been drawn up for all claims			
Place of search The Hague		Date of completion of search 10 September 91	Examiner SERRAVALLE M.
<div>CATEGORY OF CITED DOCUMENTS</div> <div>X: particularly relevant if taken alone Y: particularly relevant if combined with another document of the same category A: technological background O: non-written disclosure P: intermediate document T: theory or principle underlying the invention</div> <div>E: earlier patent document, but published on, or after the filing date D: document cited in the application L: document cited for other reasons ----- &: member of the same patent family, corresponding document</div>			